



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5649-1**Job Sheet 191463****Part No:** D5649-1**Job Qty:** 100 ft**Part Name:** Rubber Tube**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 3/1/19**Job Tracking No:****Due Date:** 3/27/19**Created By:** Chantal Lavoie**Type:** Stock**Description:**

Note: D5649 REV.A IPP REV:A 18.05.25 NEW ISSUE DD VERF:JFS IPP REV.B 18.07.19 AS PER DWG REV.A DD VERF:JFS

Ship Via:**Bill of Materials****Job Routing**

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup	Run	Workcenter / Supplier	Lead Time	
100	Purchasing	100 pcs	3/27/19	3/27/19	0.00	0.00	Purchasing - 1		APR 0 5 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	100 pcs	3/27/19	3/27/19	0.00	0.00	Packaging 2 - 1 - B4B		APR 0 5 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		

**Container No:** S169950**Part:** D5649-1**Job No:** 191463**Serial No/Batch:** S169950**Revision:** A**Inspector:****Exp Date:****Instructions:** Various STC's

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 04/05/19

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				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120 QC 6	100 pcs	3/27/19	0.00 0.00	QC 6 - 42	
				QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
130 Packaging 3-1 - Stock - B4B	100 pcs	3/27/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	DAS
				Packaging 3 - 6 - B4B	28
				Packaging 3 - 7 - B4B	9-89
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 -	

GA
128B

					B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140	QC 21 - SA FT	100 ft	3/27/19	0.00 0.00	QC 21 - SA - 21	APR 11 2019 DAS 70
					QC 21 - SA - 70	9-89
					QC 21 - SA - 53	

Part Op **100** - Issue P/O: 42762 (10 feet long) Supplier: VIP Manufacture as per dwg C of C is required.
 Descriptions: **110** - (Receive & Inspect for Damage & Mat'l Certs)
120 - (QC6- All purchased or subcontracted products)
130 - (Identify as per dwg & Stock Location: _____)
140 - (QC21- Final Inspection - Work Order Release)

MAR 01 2019

DAS
13
9-89P/O: 042762
x100ft.GA
128B**Job BOM**

Part / Item	Component Name	Quantity	Operation	Container
D5649-1P	Rubber Tube	100 ft (1 ea)	100-Purchasing	5169948

Job Allocations

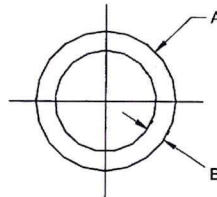
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D5649-1P	100	0	0

Part Specifications

Specifications could not be found.

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SPECIFICATION CONTROL DRAWING



D5649-Y-XXX.XX TUBE, RUBBER
 WHERE XXX.XX IS LENGTH IN INCHES
 EG. 0.50 INCHES LONG = D5649-1-000.50
 120.0 INCHES LONG = D5649-1-120.00

DART P/N	POSSIBLE SUPPLIER	SUPPLIER P/N	SPECIFICATION	MATERIAL	DUROMETER	O.D "A"	WALL "B"	WEIGHT PER LINEAR FOOT (lbs)
D5649-1-XXX.XX	VIP	0.290-ODx0.040 WALL TUBING	A-A-59588CL2BGR50	RUBBER SILICONE	50	0.290	0.040	0.017

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: NONE
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
- 7) WEIGHT: SEE TABLE

RELEASED

2018 JUL 18
ECN 18-773

APPROVED

A	NEW ISSUE	RF	18.05.17
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	RF	DRAWING NO.	REV. A
MFG. APPR.	DD	D5649	SHEET 1 OF 1
APPROVED	HS	TITLE	SCALE
DE APPR.	CP	TUBE, RUBBER	NTS
DATE	18.05.17		

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 NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
 WRITTEN PERMISSION FROM DART AEROSPACE LTD.



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO042762



Supplier: VIP001-VU
VIP Rubber Company Inc.
540 South Cypress Street
La Habra, CA 90631 USA
Phone: 562 905 3456
Fax: 562 905 3460

PO No: PO042762

PO Date: 3/1/19

Due Date: 3/27/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments: QUOTE NO. 135377

E-MAILED
MAR 01 2019

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	191463	D5649-1P	.290"ODx.040" Wall Tubing	Rubber Tube : AS PER DWG D5649 REV. A	Firmed	-	3/27/19	100 ft	0 ft	100 ft	\$5.4243/ft	\$542.43
Line Item Note SPEC: A59588B notice 1 CL-2B GR-50, ROHS & REACH COMPLIANT MATERIAL: 50/SILICONE												
Grand Total:											\$542.43	

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

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All Materials
Rubber
Plastic
TPE
Molding
Sheeting
Extrusion
Fabrication



VIP Rubber Company, Inc.

540 S. Cypress Street
La Habra, CA 90631
(562) 905-3456 (Phone)
(562) 905-3460 (Fax)
www.viprubber.com



BUY AMERICAN

Rubber / Plastic
Metal Bonding
Silicone
PSA
Sponge
Cut To Length
Co-Extrusion
Hot Melt Tape
And More...

Location: 100

*****PACKING LIST*****

INVOICE DATE 3/26/2019

INVOICE NUMBER: 489114

SOLD TO: DART AEROSPACE LTD
HAWKESBURY, ON K6A 1K7

SHIP TO: DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ONTARIO
CANADA, K6A 1K7

DATE	PURCHASE ORDER NUMBER	CUST #	F.O.B.	SALESPERSON
3/26/2019	42762	3626	ORIGIN	VIP HOUSE ACCOUNT
TERMS		SHIP VIA		
NET 30 DAYS		FEDEX COLLECT		
SHIPPED	DESCRIPTION		PRICE	TOTAL
100.00 FT ✓	VIP PART ID: 22611 D5649-1P @ 10 FT .290" OD X .040" WALL (TUBING) RED OXIDE 50/SILICONE FORMULATED TO MEET THE PHYSICAL REQUIREMENTS OF A-A59588B NOTICE 1 CL-2B GR-50 ROHS & REACH COMPLIANT LOT #:030619-10			
1.00 EA	TEST REPORT, STANDARD ONLY			

ORDER COMPLETE.....THANK YOU

SHIPPING 1 CTN @ 6#

WE APPRECIATE YOUR BUSINESS
BUY AMERICAN

MERCHANDISE NOT RETURNABLE AFTER 30 DAYS

The goods hereby sold are warranted free from defects in workmanship and materials for sixty (60) days from shipment to Buyer. No other express warranty is given no affirmation of Seller, by words or action, shall constitute a warranty.

This warranty shall be limited to the repair or replacement of parts and the necessary labor and services required to repair the goods, or, at Seller's option, a refund of the purchase price, provided that the defect is reported to Seller and the goods are returned to the Seller within the warranty period. This warranty does not cover the results of ordinary wear and tear, or any part damaged by neglect, misused, accident, excessive deterioration due to corrosion from any cause, improper operation or maintenance, or any part damaged in the course of or as a result of installation, modification or adjustment performed by anyone other than the Seller or its authorized representative.

IT IS EXPRESSLY AGREED THAT THIS LIMITED WARRANTY SHALL BE IN LIEU OF ALL OTHER WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

It is expressly agreed that the replacement, repair or return of the goods and repayment of the purchase price, SHALL BE THE SOLE AND EXCLUSIVE REMEDIES OF BUYER with respect to any non-conforming goods and parts thereof and shall be in lieu of any other remedy available by applicable law. Seller in no event shall be liable for consequential damages arising out of or in connection with this sale of goods, including without limitation breach of contract or repudiation by Seller. Consequential damages shall include, without limitation, loss of use, income or profit, or losses sustained as a result of injury (including death) to any person or loss or damage to property.

The foregoing terms cannot be waived or modified except by a writing signed by Seller.

A LATE CHARGE OF 1% PER MONTH (18% PER ANNUM) WILL BE MADE ON PAST DUE BALANCES.

TERMS AND CONDITIONS

The following Terms and Conditions shall apply to each order hereafter placed by Buyer with accepted by VIP Rubber Company:

1. Prices are F.O.B. factory of VIP Rubber Company, hereafter known as the Company, at La Habra, California. Quotations and prices are subject to change without notice and all acceptances of a quotation are subject to the future credit approval of the Buyer.
2. Prices quoted do not include any applicable sales, use, excise, transportation, or otherwise required tax which may be imposed by any governmental authority. All such taxes so paid or imposed shall be in addition to the price quoted.
3. Should any of the provisions of these terms and conditions be contrary to or in conflict or inconsistent with any like or similar terms and conditions contained in any other agreement between Company and Buyer, and whenever executed, including any purchase order of Buyer or acknowledgement thereof by the Company, the provisions hereof shall be controlling and shall supersede such conflicting terms and conditions contained in such other agreement. The terms and conditions hereof cannot be changed or altered in any way except in writing signed by a duly authorized corporate officer of Company.
4. If a specific shipping date (excluding an estimated date) is not designated on the face hereof or in a subsequent correspondence between Buyer and the Company, the Company shall not be liable for any delays in filling this order. If a specific shipping date is designed either on the face hereof or subsequently by Company, Company shall not be liable for any delays in filling this order caused by (a) accidents to machinery, differences with workmen, strikes, labor shortages, fire, floods, priorities, in transportation or lack of transportation facilities, restrictions imposed by Federal or State legislation or rules or regulations there under, war, acts of war, sabotage, acts of God, or (b) any cause beyond the control of the Company. In the event Company is liable for any delays in filling this order hereunder, Company's liability shall be and is limited to the difference, if any, between cost to Buyer of obtaining the merchandise from any other regular manufacturer and the price to be paid Company therefore by Buyer.

5. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE AGREEMENT. COMPANY DISCLAIMS ANY WARRANTY EXPRESSED OR IMPLIED THAT THE GOODS ARE MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE.

Company's products are not, nor are merchandise ordered herein, warranted or guaranteed for any specific length of time or measure of service, but are warranted only to be free from defects in workmanship and material. The products or merchandise are purchased with the understanding that Company does not guarantee results. Only those warranties herein set forth shall be deemed to have been made by Company or relied upon by Buyer. All previous communications, whether in form of engineering recommendations or otherwise, are effective only to the extent herein contained.

Any warranties herein contained shall not apply to ordinary wear and tear or to Company's products or merchandise which has been altered or repaired outside of Company's plant or which has been subject to neglect, accident, misuse, excessive deterioration due to corrosion from any cause, or improper operation or maintenance.

If said products or merchandise consist of more than one piece, it shall not be presumed that the whole thereof is defective in material or workmanship because a part thereof is so defective. Replacement of all or part of such products or merchandise by Company hereunder shall not be construed to be an admission that the piece or pieces, part or parts, so replaced were defective as aforesaid.

Company and Buyer agree that the sole and exclusive remedies for the breach of any warranty concerning the products of merchandise are as follows:

Should any of said products or merchandise fail, through defects in material or workmanship, within sixty (60) days after date of shipment thereof from Company's plant and specific written complaint relative thereto be filed with Company by Buyer within such time, Company will make such repair, free of charge to Buyer as may be required because of defective material or workmanship, or, if such repairs cannot be made, Company will replace such defective products or merchandise, free of charge to Buyer, provided that the same be brought to Company's plant within sixty (60) days after date of shipment thereof from Company's plant as aforesaid, or, in lieu of repairing or replacing the same, Company may, at its option refund the price of such merchandise to Buyer as may have been paid Company therefore by Buyer. Should Buyer fail to file the aforesaid specific written complaint and to deliver any defective products or merchandise to Company's plant within said sixty (60) days period as aforesaid, it shall be conclusively presumed that such product or merchandise was not defective. Company shall not be liable for any damage or delays caused by such defective material or workmanship, direct or consequential or for consequential damages arising out of or in connection with this sale of goods, either to Buyer or to Buyer's successors, assigns legal representatives, customers, or to any other person, association, corporation, governmental agency or body politic, it being expressly understood and agreed that Company's liability under all guarantees or warranties expressed or implied, is specifically limited to refunding the purchase price then paid, or, at Company's option to the repair, or replacement at Company's plant free of charge to Buyer, of merchandise or products that may be required because of defective workmanship or material upon return thereof to Company's plant within (60) days after shipment thereof, as aforesaid. Consequential damages shall include, without limitation, loss of use, income, or profit, or losses sustained as the result of injury (including death) to any person, or loss or damage to property.

The above **LIMITED WARRANTY** is given to and accepted by Buyer in lieu of any and all other warranties or remedies expressed or implied. Buyer acknowledges that Buyer is not relying on the Company's skill or judgment to select or furnish products or merchandise suitable for any particular purpose. Buyer is hereby afforded an opportunity by the Company to inspect said products or merchandise at Company's plant at La Habra, California, prior to delivery date thereof.

These terms and conditions are a complete and exclusive statement with respect to warranties and remedies for breach of warranty between Company and Buyer. These warranties cannot be verified, supplemented, or qualified or interpreted by any prior course of dealing between Company and Buyer or by any usage of trade. These warranties and remedies can only be varied or amended by a writing executed by Company and Buyer which shall quote the provisions hereof which are to be amended and the provisions substituted therefore.

6. Buyer will protect, indemnify and save Company harmless, and defend Company against, all claims for damages or profits, and any costs, loss or judgment, arising from infringement of patents, inventions, designs, copyrights, or trade names, with respect to all goods manufactured either in whole part to Buyer's plans and specifications, or from Buyer's mold, and Company makes no representation or warranty that such goods will not infringe outstanding patents or other rights of others.
7. Prices quoted do not include, unless otherwise specifically stated, the cost of any dies, jigs, mold or molds, necessary to manufacture the subject merchandise.

All molds or other equipment delivered to or held by Company by or for the account of Buyer shall be held by Company at Buyer's risk and with the express understanding that unless removed by Buyer within thirty (30) days after Company's written notice to Buyer at Buyer's last known address, Company may, at its option, use or dispose of such molds or other equipment in any manner whatsoever, without responsibility whatsoever to Buyer.

If any such molds or equipment are lost, damaged or destroyed due to the fault of Company, Company shall, upon request, pay Owner the then depreciated value or cost thereof, whichever is lower, or Company will repair or replace the same at Company's own expense if further orders which justify such repair or replacement are then placed with the Company which involve the use of such molds or equipment. Company shall not be liable for depreciation value or use of said molds or equipment due to normal wear, tear or use, or damage or destruction by fire or other casualty, and Company shall not be responsible for replacement or restoration of the same when the same are no longer capable, due to the above reasons, of making satisfactory parts.

All Materials
Rubber
Plastic
TPE
Molding
Sheeting
Extrusion
Fabrication



VIP Rubber and Plastic Company, Inc.

540 S. Cypress Street
La Habra, CA 90631
(562) 905-3456 (Phone)
(562) 905-3460 (Fax)
www.viprubber.com



Rubber / Plastic
Metal Bonding
Silicone
PSA
Sponge
Cut To Length
Co-Extrusion
Hot Melt Tape
And More...

CERTIFICATION OF CONFORMANCE

THIS IS TO CERTIFY THAT THE MATERIAL FURNISHED ON THIS PURCHASE ORDER WAS
MADE IN STRICT ACCORDANCE WITH THE NOTED SPECIFICATION

Bill To:

DART AEROSPACE LTD
HAWKESBURY, ON K6A 1K7

Ship To:

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ONTARIO
CANADA, K6A 1K7

Lot #: 030619-10

Shipper ID: 489114

Part Number: D5649-1P @ 10 FT

DWG#: N/A

Customer PO: 42762

Cure Date: 1Q19

Date Shipped: 3/26/2019

Color: RED OXIDE

Description: .290" OD X .040" WALL (TUBING)

Specification:

50/SILICONE

FORMULATED TO MEET THE PHYSICAL REQUIREMENTS OF A-A59588B NOTICE 1 CL-2B

GR-50

ROHS & REACH COMPLIANT

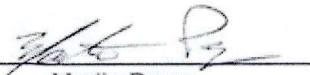
Quantity

Ordered

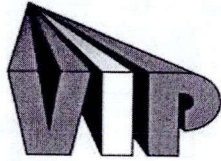
100 FT

Shipped

100 FT


Martin Perez

Technical Director



VIP RUBBER COMPANY
540 SOUTH CYPRESS ST.
LA HABRA, CA 90631
TEL 562-905-3456
FAX 562-905-3460

STANDARD TEST REPORT

STOCK NO: S-5032/2B
LOT NO: 030619-10

TEST DATE: 3/7/2019

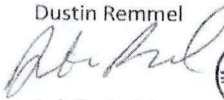
50 SILICONE FORMULATED TO MEET THE PHYSICAL REQUIREMENTS OF
A-A-59588B NOTICE 1, CLASS-2B GRADE-50

ORIGINAL PHYSICAL PROPERTIES

	<u>METHOD</u>	<u>REQUIRED</u>	<u>RESULTS</u>	<u>PASS/FAIL</u>
TENSILE STRENGTH, psi	D412-16	700 MIN	934	PASS
ULTIMATE ELONGATION, %	D412-16	200 MIN	397	PASS
SHORE A DUROMETER, pts	D2240-15e1	50 $\pm$ 5	50	PASS
TEAR, DIE B, ppi	D624-00(12)	-	83	-
SPECIFIC GRAVITY, g/cm ³	D297-15	-	1.32	-

CERTIFIED BY

Dustin Remmel


Lab Technician